

CURRICULUM VITAE—Richard A. Feely
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Academic Training

Ph.D.	Texas A&M University	Oceanography	1974
M.S.	Texas A&M University	Oceanography	1971
B.A.	University of St. Thomas	Chemistry	1969

Professional Experience

Senior Scientist, National Oceanic and Atmospheric Administration, Pacific Marine Environmental Laboratory	2008–present
Supervisory Oceanographer, National Oceanic and Atmospheric Administration, Pacific Marine Environmental Laboratory	1984–2008
Affiliate Full Professor, University of Washington	2002–present
Affiliate Associate Professor, University of Washington	1986–2002
Affiliate Assistant Professor, University of Washington	1974–1985
Oceanographer, National Oceanic and Atmospheric Administration, Pacific Marine Environmental Laboratory	1974–1984
Research Associate, Oceanography, Texas A&M University	1973–1974
Research Assistant, Oceanography, Texas A&M University	1969–1973

Teaching Experience

Chemical Oceanography Laboratory, University of Washington	January 1979
Stable Isotope Geochemistry, University of Washington	January 1976
Introduction to Oceanography, Texas A&M University	June 1973

Research Activities

Responsible for development and implementation of chemical oceanographic research studies for several of NOAA's national research programs, including the NOAA Global Carbon Cycle Research Program, the NOAA Climate Observations Program, and the NOAA Ocean Acidification Program.

Responsible for preparing for publication, as author or coauthor, technical reports and scientific papers.

Committees

NOAA West Coast Ocean Acidification Task Force	2010–present
IPCC AR5 Working Group I	2010–present
U.S. Interagency Working Group on Ocean Acidification	2009–present
International IMBER-SOLAS Ocean Acidification Group	2009–present
European Ocean Acidification International Scientific Advisory Panel	2008–present
U.S. Carbon and Biogeochemistry Steering Committee	2006–present
PICES Section on Carbon and Climate	2005–present
NSF/NOAA Repeat Hydrography Oversight Committee (Co-Chair)	2002–present
Joint Institute for the Study of the Oceans and Atmosphere	1984–present
International IMBER-SOLAS Carbon Coordination Group	2005–2009
U.S. Ocean Carbon and Climate Change Steering Committee	2004–2009
International CLIVAR Pacific Coordination Panel	2004–2009
DOE Biological Environmental Studies Program Committee of Visitors	2004
U.S. CCSP Interagency Ocean Carbon Science Group	2003–2009
PICES Working Group 17	2002–2005
NASA Carbon Cycle Initiative Science Advisory Committee	2001–2002
North American Carbon Program Advisory Committee	2001–2002

NSF/NOAA Repeat Hydrography Working Group	2001–2002
NOAA CO ₂ Measurements Advisory Committee	2000–2001
NSF/NOAA OCTET Working Group	1999–2000
PICES Working Group 13 on Carbon in the North Pacific (Co-Chair)	1998–2002
National Science Foundation, Committee of Visitors	1998–1999
Science Advisory Panel for Climate Change Data and Detection	1992–2000
U.S. JGOFS Steering Committee	1991–1996
DOE CO ₂ Survey Science Team	1990–1998
NOAA CO ₂ Science Advisory Panel (Co-Chair)	1990–1997
NOAA VENTS Council	1987–1991
EPA-WDOE Puget Sound Initiative Technical Advisory Committee	1985–1987
Scientific Committee on Ocean Research Working Group 75	1984–1988
NOAA Quality Assurance Committee, NOAA	1983–1984

Awards

Heinz Family Foundation Environmental Award, Ocean Acidification - 2010
Nobel Peace Prize (co-shared with Al Gore and other members of IPCC) - 2007
Explorer Club Lowell Thomas Award - 2007
Elected American Geophysical Union Fellow - 2007
Department of Commerce Gold Award - 2006
NOAA Administrator's Award - 2002
Special Achievement Award PMEL/NOAA - 1999, 2001, and 2002
Sustained Superior Performance Award, PMEL/NOAA – 1977, 1982, 1996, 1997
Special Act/Service Award, PMEL/NOAA - 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, and 2009
Certificate of Recognition, PMEL/NOAA - 1995
Performance Award, PMEL/NOAA - 1983, 1984, 1985, 1987, 1988, 1990, 1995, 1996, 1997, 2007, 2008, 2009, and 2010
Certificate of Recognition, ERL/NOAA - 1982
Distinguished Authorship Award, PMEL/NOAA - 1980, 1985, 1988, 1989, 1990, 1999, 2000, 2003, 2005, and 2009
Distinguished Authorship Award, OAR/NOAA - 1980, 1985, 1990, 1999, 2001, 2004, 2006, and 2009
Unit Citation for Juan de Fuca Report, NOAA - 1979
Special Achievement Award, ERL/NOAA - 1977

Selected Publications:

Byrne, R.H., S. Mecking, R.A. Feely, and X. Liu (2010): Direct observations of basin-wide acidification of the North Pacific Ocean. *Geophys. Res. Lett.*, 37, L02601, doi: 10.1029/2009GL040999.
Feely, R.A., S.R. Alin, J. Newton, C.L. Sabine, M. Warner, C. Krembs, and C. Maloy (2010): The combined effects of ocean acidification, mixing, and respiration on pH and carbonate saturation in an urbanized estuary. *Estuar. Coast. Shelf Sci.*, 88, 442–449.
Doney, S.C., V.J. Fabry, R.A. Feely, and J.A. Kleypas (2009): Ocean acidification: The other CO₂ problem. *Annu. Rev. Mar. Sci.*, 1, doi: 10.1146/annurev.marine.010908.163834, 169–192.
Feely, R.A., S.C. Doney, and S.R. Cooley (2009): Ocean acidification: Present conditions and future changes in a high-CO₂ world. *Oceanography*, 22(4), 36–47.
Feely, R.A., C.L. Sabine, J.M. Hernandez-Ayon, D. Ianson, and B. Hales (2008): Evidence for upwelling of corrosive "ocean acidified" water onto the west coast of North America. *Science*, 320, 1490, DOI: 10.1126/science.1155676.
Fabry, V.J., B.A. Seibel, R.A. Feely, and J.C. Orr (2008): Impacts of ocean acidification on marine fauna and ecosystem processes. *ICES J. Mar. Sci.*, 65(3), doi: 10.1093/icesjms/fsn048, 414–432.
Feely, R.A., C.L. Sabine, K. Lee, W. Berelson, J. Kleypas, V.J. Fabry, and F.J. Millero (2004): Impact of anthropogenic CO₂ on the CaCO₃ system in the oceans. *Science*, 305(5682), 362–366.